THE TECH

VOL. XXVIII. No. 3 BOSTON, MASS., MONDAY, OCTOBER 5, 1908 PRICE THREE CENTS

CROSS COUNTRY PROSPECTS BRIGHT

All but Two of Last Year's Team are Back for Work

INTERCOLLEGIATES

Dates Set for Meets and Trials Fall Training Schedule Announced

Technology will enter a team in the inter collegiate race to be held Nov. 25 probably with Princeton. The final trials for this team will be held Nov. 14. Last June, through the efforts of D. C. McMurtrie, Technology was given permission by the I. C. A. A. A. A. to run a team in the cross country race. This especial arrangement is necessary on account of the fact that the Institute is not a member of the association. The points made will not count toward the banner or the cup, but the places of the men finishing will be recorded, giving Tech the chance to compare with the other colleges, so that the incentive to cross-country running next year will not be lost.

Regular training for these races begins today, with a short run from the gym. The training schedule for the week is: Monday, 3 mile road run from gym; Tuesday, walk from Rogers' steps; Wednesday, run from field part way over course; 4:30; Thursday, track work; Friday, walk from Rogers' steps; Saturday, hare and hounds run at Waban.

On Monday, Tuesday, and Friday there will be a squad at four o'clock and one at five o'clock.

As in other years the hare and hound runs will be the chief item in the training and so the system of fast and slow squads has been adopted to suit the requirements of all who take part.

The cross country season opens with good prospects. Of last year's team all but two are back at the Institute and are getting down to work. The very good showing made in the freshman-sophomore race last spring gives promise of strong additions to the team. The times made in the intercourse were better than those made in the Harvard race of the preceeding season showing that the older men will have plenty of competition for places on the team.

The cross country team will have a number of recruits from the freshman class in view of the permission

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TWO LONELY FRESHMEN

Report for Relay Practice — Other Sports Better Supported Athletic Meeting

Enthusiasm seems to be entirely lacking in the freshmen ever their coming struggle with the sophomores. The relay team of the entering class is without much support, two candidates presenting themselves for practice last Friday. Beale and Octinger were the enthusiastic ones. The freshmen never did send out more than ten men, and manager Benson has an exceedingly narrow field from which to choose his twelve relay men and two substitutes.

Although over thirty men presented themselves as candidates for the football team at the first meeting of the freshmen only twelve showed up when it came down to real practice. The juniors put them through some preliminaries in tackling, and ended up with a few laps around the track.

More men come out for the tug-of-war team, but still the number does not exceed twenty.

The sophomores, on the other hand,

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ESPERANTO ADDED TO THE CURRICULUM

Artificial Language Now Included in Many College Courses

INSTRUCTION CHANGES

New Tongue a Valuable Aid to Scientists and Students of Languages

In accordance with the progressive policy of the Institute toward a judicious combination of the liberal studies with the professional, Esperanto has been added to the list of subjects in the curriculum. Technology is only one of several colleges which have this year made this addition; among the number being Clark College (Worcester), University of Chicago, Northwestern University, and the University of Wisconsin. Esperanto is an artificial language. No nation claims it, yet it is based on the underlying principles of the languages of all civilized nations. It is therefore an aid to the study of other languages and is so used in many schools here and abroad. Prof. Mayer of Cambridge University has issued a circular to the British school-teachers stating that the best introduction to the study of the ancient or modern languages is a short course in Esperanto.

Aside from its liberal training it

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RECEPTION A SUCCESS

Y. M. C. A. Welcome to New Men Brings Out Big Crowd

Over 300 undergraduates including many freshmen gathered last Friday evening at the first social function at the new Union, and the most successful Y. M. C. A. reception ever held. The freshmen were codially welcomed and were made to feel at home not only among themselves but also among the upper classmen.

After everyone present had risen to his feet and joined in singing the "Stein Song," Mr. T. H. Atherton, Jr., 1909, president of the Y. M. C. A., started the formal part of the evening by introducing as the first speaker of the evening Carl W. Gram 1909, who gave a short summary of the different athletic events at Tech during the coming year and then told what the track hopes and expects to do. Channing Turner 1908, the next speaker, spoke first about the good work which the Y. M. C. A. is doing and he then spoke for a few minutes about The Tech, telling how the different staffs of the paper are chosen. After Mr. Turner had finished everyone joined in singing "Dear Old M. I. T." Mr. Atherton then introduced D. C. McMurtrie 1910, as "the man who runs the Institute." Mr. McMurtrie told in a few words about the Technique, the year book which the junior class publishes every spring.

Dean Burton was the next speaker introduced and in his inimitable manner gave the boys a short pithy talk which they will remember for many years. He introduced himself as a fellow student of the Institute during his speech.

G. A. Joslin 1909, of the Tech Show and C. C. Hield 1910, of the Musical Clubs, gave short speeches on their respective activities and Mr. Atherton then brought the formal part of the evening to a close by speaking briefly on the work and ideals of the Y. M. C. A.

The boys were then served with coffee, cake, and ice-cream in the dining-room. Afterward they returned to the social room and sang several of the Tech songs. The evening was brought to a successful close with three rousing cheers for Tech and its Y. M. C. A.

FRESHMAN LEADER KIDNAPPED BY 1911

First Dinner of Class Marred by Forced Absence of Chairman

PROGRAM EXCELLENT

Several Sophomores Captured in March to Rogers—Made to Perform

Mr. Channing Turner,
Toastmaster,
Technology Union.
Trinity Pl., Boston.

Am unexpectedly detained by the live ones of 1911.

Chairman Follet
6.53 P.M.

David Follet, Jr.; 1912

Like a scene from a drama was the situation when the above telegram was brought into the Union Saturday evening during the freshman dinner. There had been some misgivings before that Follet was not there but no one knew much about it.

The freshman had not anticipated any trouble from their rivals of 1911, and it was a complete surprise to David Follet, Jr., when he was seized by stalwart sophomores on his way to a military science lecture at 11 o'clock in the forenoon, placed in a waiting auto, and given a 15 mile ride gratis. Two automobiles were in waiting in Engineering Alley and sped to Wellesley with their charge before his friends could give him any assistance. There he was taken to the house of one of the "live ones" and, although he received curteous treatment, hospitality was forced upon him more than he really desired and his hosts would not hear of his leaving early.

Kidnapping the freshman president before their banquet is a regular practice in most colleges, but it was unsuccessfully attempted by last year's sophomores with a cab. This year fortune favored the kidnappers because Folet was late to his class and there were no friends near other than one or two men who could do nothing.

At the dinner there was a lively crowd of 150 freshmen who showed plenty of enthusiasm in spite of the loss of their chairman. A few sophomores gathered outside of the windows and raised a feeble cheer which was drowned by cries and hisses from within. There was no other disturbance during the course of the program.

The Dean was introduced by the toastmaster, Channing Turner 1908, as the first speaker of the evening and made the responsibility of the students as men for the care of the Union his

(Continued on page 3.)

NEW LABORATORY IS NOW EQUIPPED

Industrial Research in Applied Chemistry Established

EXPENSIVE APPARATUS

Members of Corporation Lend Hearty Support to New Enterprise

In accordance with the charter of the Institute which says that one of its purposes shall be to aid "the practical application of science in connection with the arts," a new research laboratory of applied chemistry has been established. Heretofore this aim has been accomplished mainly through its graduates, men broadly educated along those lines which make for general usefulness. It has also added in the application of science to the arts through the many conributions which the members ofthe Faculty have made in the way of the published results of investigations carried on by them.

The new research laboratory will furnish a more direct method of applying science to the arts by furthering the investigation by purely scientific methods of the many problems which confront the industries of today. A number of large manufacturing firms have already started such research laboratories for themselves for the study of the problems concerning their own interests. In the Faculty of the Institute, however, there is a corps of experts such as no one organization can hope to command, those services in a consulting capacity may be drawn upon for the solution of such industrial problems. It should be possible to take up for investigation not only problems of general interest but also the particular difficulties of individual manufacturers in such a way that the splendid facilities of the Institute and the expert knowledge of its Faculty may be made to serve most directly the community at large, without interfering in any way with the present work of either.

The new Research Laboratory of Applied Chemistry is such an organization. For the present it will be located in 52 Pierce, the large room formerly used exclusively for laboratory work in Textile Coloring. Its proximity to the Laboratory of Industrial Chemistry will render available for experimental work the complete equipment of that department and thus avoid the duplication of expensive apparatus. Room 5, Engineering B will be used as a shop, and will be furnished with a full line of tools necessary for constructing experimental apparatus. A lathe has already been put in and a motor will be installed soon. It is constantly expected that in the study of any particular problem no difficulty will be met in obtaining the co-operation of manufacturing concerns, to such an extent that their plants will be available for carrying out the more nearly completed investigations on a scale sufficiently large to determine the ultimate success of the work.

Although it is expected that the work carried on by the Laboratory will deal with the application of science to the arts, it is intended that the problems selected shall be attacked in a fundamental way, and that only the most improved methods shall be employed in their solution. A few advanced courses and seminars will be given by the members of the research staff throughout the year. The Laboratory will accommodate ten recearch workers.

This laboratory is the outgrowth of the work which has been carried on during the past two years by research assistants under the direction of Professor Walker. The formal organiza-

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THE TECH

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Monday, October 5, 1908.

Expense at the Institute is a matter of such great consequence that a slight reduction in any line will be most welcome. The majority at Tech are not of what might be considered the wealthy class. The new lunch room will make a reduction in board but the question of books is one that has been a serious issue although it has been the cause of some of the standard jokes.

The evil is due to an oversight, most likely, but that is no excuse for its continued existence. One of the most evident expenses is that of the letter plates. It is impossible to hand these down from year to year because a few of the plates are partly blank and are used during the year. These partly blank pages can not be bought separately. With but little trouble these could be printed and sold for a small amount. This matter alone would save each freshman from one to two dollars which makes quite a surpriseing total which is spent uselessly by the class. In many other cases a similar wastefulness exists. Only a few of the books required can be bought second hand. This is not because students do not wish to buy them but that they can not be bought either because last year's books have been replaced by other required ones, or because a complete assortment of second hand books which can be used again is not kept up or even desired by the dealers.

A secure and handy depository for the use of students is afforded in the banking system in operation at the bursar's office. A certificate of deposit is received at the time the money or check is given in at the office, and money can be drawn at any time during the regular hours by presentation of the same at the Bursar's office. This arrangement will be of advantage to many, particularly as the Boston banks do not like to open accounts running less than three or four hundred dollars balance.

REPUBLICAN CLUB

Republican students at Technology have planned to meet today at one o'clock in Huntington Hall to organize a Republican Club. G. T. Bridgman 1909, will act as chairman of the meeting and Mr. Van Rennsellaer, chairman of the second department of the Republican National College League. will speak about the practical work which the League is planning to do on election day.

The Republican Club will join with the clubs of the other New England colleges in a torchlight procession October 30. Men who intend to take part in this parade are expected to procure membership shingles and fill out cards which will be turned over to the Republican State Committee.

ESPERANTO

(Continued from page 1.)

bids fair to be of practical benefit to engineers. Thousands who travel use Esperanto where they cannot use their native tongue, and agents (konsuloj) are appointed all over the world to look after the interests of Esperants.

There is a flourishing international scientific asociation with a monthly organ, "Internacia Scienca Revuo", issued by a committee of professors of the University of Geneva, Switzerland. Such men as Prof. J. J. Thomson, Sir Wm. Ramsay, Wm. Ostwald and Foerster, are members. In addition to abstracts of recent work in chemistry, physics, etc., original articles of technical interest to engineers are published. A recent number contained an article on certain difficulties of construction work by an American railroad engineer.

It is from this engineering standpoint rather than from the view of the linguist that the Faculty of Technology has seen the value of Esperanto.

NEW LABORATORY

(Continued from page 1.)

tion of the laboratory at this time is directly due to the generosity of Mr. Charles W. Hubbard of the Corporation who has contributed funds for its supports, which, together with a part of the income of the Charlotte B. Richardson Fund appropriated for the purpose, will make it possible to continue work on a modest scale for at least three years. The members of the staff of the Research Laboratory are: William H. Walker, Ph.D., Professor of Industrial Chemistry, director; Henry P. Talbot, Ph.D., Professor of Inorganic and Analytical Chemistry; Willis R.Whitney, Ph.D., Non-resident Professor of Chemical research; Augustus H. Gill, Ph.D., Associate Professor of Technical Analysis; Frank H. Thorp, Ph.D., Assistant Professor of Industrial Chemistry; Peter S. Burns, Ph.D., Research Associate in Applied Chemistry; Warren K. Lewis, Ph.D., Research Associate in Applied Chemistry. W. K. Lewis, a graduate in Chemical Engineering, now studying at Breslau, Germany, will be Research Associate in Applied Chemistry next year, and a second associate will be elected later. Both will probably begin work in September.

HARE AND HOUNDS

Squad of 35 Men at Hyde Park in First Run of Season

A record-breaking squad turned out Saturday for the first hare and hounds run of the season, held from the Hyde Park Y. M. C. A. 35 men reported for the four-mile run, trail being laid by G. H. Magee 1910, and N. Rausohoff 1910.

L. C. Cooley 1911 and B. C. Huber 1910 found the bags. P. D. White 1911 won the race for home and was followed in order by L. O. Mills 1910, F. F. Bell 1910, J. D. MacKenzie 1911, W. T. McCreadie 1911, C. P. Eldred 1911, and J. N. Stephenson 1909.

CALENDAR

Monday, October 5.

1.00 P.M. Tennis Club Meeting in 21 Rogers.

1.00 P.M. Republican Meeting in Huntington Hall.

3.00 P.M. 1912 Football and Relay and 1911 Relay Teams at the Field; 1911 Football Team at the Oval; Tug-of-War Teams at the Gym.

4.15 P.M. Glee Club—Trials of Basses.

Tuesday, October 6.

1.15 P.M. British Empire Association Meeting at the Union.

3.00 P.M. 1911 and 1912 Teams Practice.

4.00 P.M. Mandolin Club Trials at the Union.

4.15 P.M. Civil Engineering Society Meeting in 11 Eng. B.

4.15. P.M. Biological Society Meeting in 28 Pierce.

4.15 P.M. Glee Club—Trials of Tenors.

6.30P.M. Mechanical Engineerirng Society Dinner at the Union.

Wednesday, October 7.

3.00 P.M. 1911 and 1912 Teams Practice.

4.15 P.M. Institute Committee Meeting at the Union.

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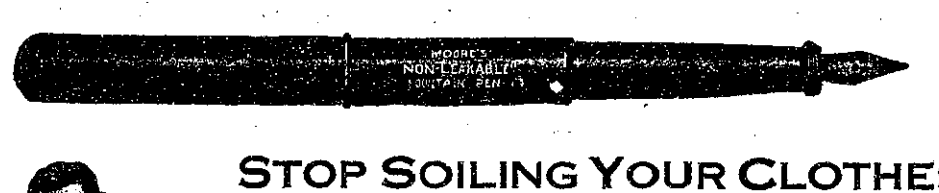

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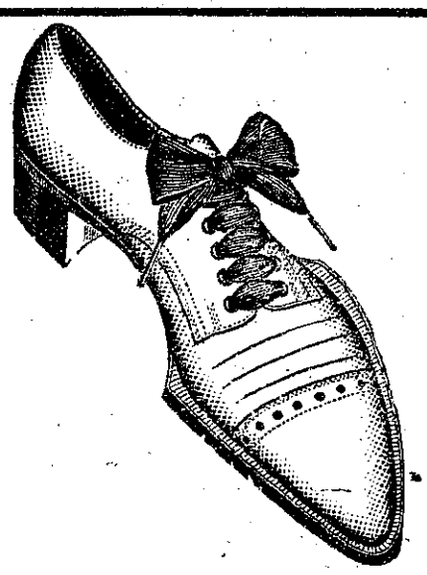

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LEADER KIDNAPPED

(Continued from page 1.)

main theme. He gave a short talk on the acting president, past traditions, and the apparent lack of interest shown by the clas in coming out for track practice in preparation for Field Day.

The Bursar opened up his usual attack on the wit of the Dean. In spite of his frequent assertions that his was a serious talk, he had his little jokes.

Mr. Coes 1906 was then called upon. He came representing New York City which is the second largest Technology center in the country. He told of the interest with which the New York Alumni Association had heard of the building of the New Uunion and laid special stress on the part Dr. Pritchett, while president, played in establishing the Union spirit in the small rooms on Garrison Street despite the great antagonism of faculty, alumni, and some underclassmen. On the strength of his own convictions he had made a success of this smaller union which paved the way for the new.

Coach Kanaly took up the question of athletics and showed the freshmen only too plainly just what they had to buck up against. He said he was going to give everyone his attention who would only show his willingnes to do his share in class and school track work.

In lieu of the chairman of 1912, Secretary Seth H. Seeley said a few words remarking that he was forced to speak because 1911 had done them one better this trip and it was up to 1912 to show its metal.

Tech first, class second, was the catechism of I.W. Litchfield 1885. He said that it was the duty of every man to be a Tech man. Then the importance of the relations established between classmates was emphasized. The class learned what an important year in Tech life they were entering upon when the vital issues of the location of the Institute, the selection of a president were to be definitely decided and finally, in June, would come the second large Tech reunion.

The toastmaster, Channing Turner, then closed the meeting with a few words of advice.

After the dinner the freshmen found themselves unable to leave as their friends of 1911 had blockaded the door. A few words from the Dean proved an "open sesame."

The diners marched cheering and singing to Rogers steps under the leadership of T. W. Saul, president of the junior class. About 30 sophomores on the outskirts attempted to capture stragglers, but the freshmen, each marked by a white handkerchief on his left arm, kept pretty close together as they zigzagged along four abreast.

Soon 1912 turned the tables on their rivals, by capturing J. Gershberg, I. W. Wilson, H. M. Hallet, W. C. Salisbury, and C. A. Cowee of 1911. These men were taken to Rogers steps and forced to make speeches to the hooting mob. Salisbury and Cowee were put in night gowns to the edification of passers by. After more songs and cheers the crowd of freshmen left for their homes, hoarse but happy.

Herbert Joseph Stiebel 1909 was chosen leader of the mandolin club at a meeting last Saturday.

TWO LONELY FRESHMEN

(Continued from page 1.)

are sending out a large number of men for all the teams, competition is keen, and all the men seem anxious to make up for the defeat of their respective teams last year.

Coach Kanaly is hard at work getting both relay teams into shape and at present the work is almost entirely confined to practice in starting.

Practice was suspended Saturday, but will be resumed today.
newed vigor.

The sophomores who reported at the field last Friday are: J. A. Bigelow, F. C. Dolke, H. Fryer, L. G. Glazier, R. H. Gould, W. H. Hildebrand, A. S. De W. Heneshoff, W. C. Salisbury, C. R. Johnson, H. L. Robinson, D. R. Stevens, and L. C. Cooley.

The first meeting of the Athletic Association last Friday afternoon resulted in the reading of three letters from Major Briggs to the body by K. D. Fernstrom, the manager of this year's track team. The substance of these letters was urging the cutting down of expenses in the various branches of athletics, and the retrenchment met the approval of the managers of all the institute teams.

Captain E. M. Loring of the fencing team said that no money would be required from the association for the coaching of the team, and Manager Chapin stated further that save one, all the fencing meets would be away from home. This one meet at home would be a triangular one with members of the I. F. L.

W. B. Hargraes pronounced that the deficit of the Basket ball team would not exceed twenty-five dollars, while W. J. Kelly, manager of the Hockey team, called the attention of the Athletic Association to the fact that the total incombrance of the expenses to that body last season was five dollars.

It was voted to approve these reports pending the action of the new Athletic Association, consisting of five men to be elected from each of the four underdgraduate classes and the captains and managers of all the institute varsity teams.

It was also voted to recommend the four classes to hold their elections as soon as possible to facilitate the starting of business by the association.

W. J. O'Hearn, 1910, was elected manager of the Hockey Team.

CROSS COUNTRY

(Continued from page 1.)

given by the faculty to substitute track or cross country work for the compulsory gymnasium work. By this arrangement men can substitute for gymnastics, track work three days a week from October 15 to Dec. 1, for the first term. During the second term, the period for track work will be the same as that for the gymnasium work. Saturday hare and hounds runs will count as one day's track work.

The period for fall track work is considerably shorter than the corresponding gymnasium period which is from the first of November to the Christmas vacation.

In order that men who do not come out until the middle of October may have a good chance of making the team, the trials have been made as late as posible. The race with Harvard will take place on Field Day, Nov. 6, and the trials for the team will be held Oct. 31 .

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NOTICES

Books for Tech Show, 1909, are now due, and none will be received after November 1. Books must be complete—no skeletons or scenarios will be considered. Each author must call at the cage for a numbered envelope. In this he is to place his name, class and address. The book submitted must bear the number corresponding to the envelope. Any book marked with the author's name will not be considered. Address this envelope and book to Richard F. Goodwin, Jr., Stage Manager.

G. A. Joslin, Gen. Manager.

GLEE CLUB TRIALS—at New Union. Basses come Monday at 4.15; Tenors come Tuesday at 4.15. All old members must try out also.

Episcopalians: The Tech chapter of the Brotherhood of Saint Andrew cordially invites all Tech men who have been connected in any way with the Episcopal Church to an informal reception to be held at 322 Beacon St., Thursday, October 8, at 8 P.M.

All tuitions are now due. Students should pay the same immediately. If for any reason they cannot, they should see Bursar Rand as soon as possible.

INSTITUTE COMMITTEE—Meeting Wednesday in the Union at 4.15 P.M. Full attendance requested.

M. A. H. S. CLUB—First meeting Thursday, Oct. 8, 7.30 P.M. Refreshments. Election of officers. Admission free.

Trials for the mandolin club will be held at the Union on Tuesday at 4 o'clock.

1912 RELAY TEAM MEN report every afternoon at Tech Field for practice. More men needed at once to fill team.

TENNIS: All men interested in tennis are requested to be present at a meeting today at 1.60 in 21 Rogers.

BRITISH EMPIRE ASSOCIATION: First meeting of the season tomorrow at 1.15 at the Union. All old members are particularly requested to be present.

CIVIL ENGINEERING SOCIETY: Meeting for important business tomorrow at 4.15 in 11 Eng. B.

BIOLOGICAL SOCIETY: Meeting tomorrow at 4.15 in 28 Pierce.

The first professional society dinner to be given in the new Union will be that given tomorrow by the Mech-Engineering Society. Isaac W. Litchfield, who has done so much to get the Union into shape, will be one of the speakers, and Howard Fischer 1909 will tell of the work done by him on the new turbine ship Harvard with three other seniors last summer. An exhaustive set of tests were made by the men to determine the efficiency and value of the turbine in the kind of work the Harvard and Yale are doing between Boston and New York.

All members of the Mechanical Engineerring Society, and all others interested in Turbines are urged to attend, tickets fifty cents.

FACULTY NOTICE

SECOND YEAR ENGLISH LITERATURE: Courses II and XIII will meet Monday at 9.00 as follows: A to G in 23 Walker; H to Z in 20 Eng. B.

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